SINGLE-COMPONENT POLYORGANOSILOXANE (POS) COMPOSITIONS
WHICH CROSSLINK TO FORM ELASTOMERS BY MEANS OF
POLYCONDENSATION REACTIONS AT AMBIENT TEMPERATURE AND
IN THE PRESENCE OF WATER, AND ELASTOMERS THUS OBTAINED

• ,

Company called: RHODIA CHIMIE

## **ABSTRACT**

The field of the invention is that of single-component silicone compositions which are stable on storage in the absence of moisture and which crosslink by polycondensation reactions catalyzed using a mixed titanium/metal catalyst to give nonyellowing elastomers which adhere to various supports, the reactions being carried out at ambient temperature and in the presence of water.

Each single-component POS composition comprises: 100 parts by weight of linear diorganopolysiloxane(s) A functionalized at the chain ends by functional group Rfo of alkoxy, acyloxy, iminoxy or enoxy type; 0 to 30 parts by weight of polysiloxane resin(s) B; 0 to 15 parts by weight of crosslinking agent(s) C; 0 to 2 parts by weight of aliphatic alcohol(s) E; 0 to 30 parts by weight of nonfunctionalized and unreactive linear diorganopolysiloxane(s) F; 2 to 40 parts by weight of inorganic filler G; 0 to 20 parts by weight of auxiliary agent(s) H; and 1 to 150 µg.at (microgram atom) of the metals M1 + M2 per 1 g of single-component POS composition, where M1 is chosen from titanium, zirconium and their mixtures and M2 is chosen from zinc, aluminum, boron, bismuth and their mixtures.